

## **Enclosure 5**

### **December 2005 Progress Report Document Statewide EAC Activities**



## 11 South Carolina State Measures

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
<b>1. Outreach and Education</b>							
a. Ozone forecast/outreach,education	To make South Carolinians aware of daily air quality forecasts for ozone season to alert sensitive groups and increase awareness to motivate more people towards lifestyle changes, especially on ozone action days.	A toll free phone number was utilized in 2005 to make the forecast more available. The number of contacts for the e-mail distribution for this season was over 130 contacts (some represent organizations that further distribute the forecast to their staff).	July 2004	directionally sound	directionally sound	n/a	
b. Developed Outreach Materials	Gas Can Exchange	Anderson County organized and planned its own gas can exchange (09/10/2005) with some limited assistance from SCDHEC/BAQ staff. 200 new, environment friendly gas cans were distributed, and 79 used gas cans collected.	9/10/2005	355 lbs/year	n/a	n/a	Reductions reflected in Anderson County Progress Report for December 2005
c. Breathe Better @School Program	Program seeking reductions in air pollution around schools.	Working with a middle school in the Midlands area of Columbia, SCDHEC/BAQ staff helped initiate education materials to support no idling for school buses and car pool drivers. The school developed and implemented a no-idling policy for the grounds. This school was recognized by the Agency's "Champions of the Environment" program. Information is available at <a href="http://greenstepschools.com/page1.html">http://greenstepschools.com/page1.html</a>	on-going	n/a	n/a	n/a	Information is available at <a href="http://greenstepschools.com/page1.html">http://greenstepschools.com/page1.html</a>
d. SC Educators trained with Action for a Cleaner Tomorrow	Environmental Education training for teachers	FY 05 saw 28 educators trained	on-going	directionally sound	directionally sound	n/a	<a href="http://www.scdhec.net/recycle/html/action.html">www.scdhec.net/recycle/html/action.html</a>
<b>2. Commuting Reduction Programs</b>							
a. Take A Break From The Exhaust (TABFTE)	Computer based Commuter program that encourages reductions by using a point system  286,889 miles reduced 1,076 pounds of VOC's reduced 684 pounds of Nox reduced	2005 Participants included: Bureau of Air Quality Bureau of Water Bureau of Land and Waste Management South Carolina Energy Office Wisconsin Department of Natural Resources	Yearly April - September	1,076 pounds	684 pounds	n/a	<a href="http://www.scdhec.gov/takeabreak/login.asp">www.scdhec.gov/takeabreak/login.asp</a>  Total of 286,889 miles reduced

b. SmartRide Program	SC DOT sponsored program giving commuters mass transit service to/from Columbia area. Free rides on Ozone Action Days	Total Newberry-Columbia Jan.-Nov. 2005 = 4,932 boardings. Increase of 200% starting with 338 in Jan. and 659 in Nov. Total Camden-Columbia July1-Oct 30 2005 = 4,770 - approximately double per month the number from July 04 to June 05. Expected CO reductions - 3,166 lbs.	2004	153 lbs.	207 lbs.	n/a	<a href="http://www.scdot.org/getting/SmartRide/smartride.shtml">www.scdot.org/getting/SmartRide/smartride.shtml</a>
c. SIGIS carpool matching	SC DHEC's Shared and Integrated Geographic Information Systems group is in the early stages of developing a carpool matching page for Department employees. The proposed intranet page would facilitate ridesharing throughout the state by allowing interested employees to map their commute trip information and view the trips entered by other employees.	on-going	Early 2006	directionally sound	directionally sound	n/a	
d. Best Workplace for Commuters	Bureau of Air Quality designated as a "Best Workplace for Commuters" February 3, 2005. SCDHEC - Bureau of Air Quality currently holds the only designation in South Carolina	Bureau continues to promote this program to EAC areas and within the Department.	February 3, 2005	directionally sound	directionally sound	n/a	<a href="http://www.scdhec.gov/eqc/bag/html/bwc.htm">www.scdhec.gov/eqc/bag/html/bwc.htm</a> <a href="http://www.commuterchoice.gov">www.commuterchoice.gov</a>
e. Audioconferencing	Opportunity to hold meetings through audioconferencing or teleconferencing. SCDHEC offers employees 3 choices based on the number of participants (up to 6, up to 30, or up to 144 lines)	SCDHEC employees as well as other state agency employees were faced with travel restrictions in the late summer months of 2005. Employees were notified via e-mail of the audioconferencing capability.	on-going	directionally sound	directionally sound	n/a	
<b>3. Ground Level Ozone Awareness Week Proclaimed</b>	To increase awareness of ozone pollution on the lifestyle changes needed to see more reductions in ozone pollution levels	In March 2005, Governor Mark Sanford proclaimed March 28 - April 1, 2005 as Ozone Awareness Week. Beginning March 8, staff provided information, materials, and weekly messages to all EAC contacts that could be used to promote awareness of ground-level ozone. Details of the individual county activities were included in the June 2005 EAC progress report submittal.	March 28 - April 1, 2005	directionally sound	directionally sound	n/a	See comments #7 and #8
<b>4. Regulatory Initiatives</b>							
a. Open Burning-ban household trash burning	Reduce pollution from unnecessary burning	April 14, 2005, DHEC issued a news release reminding citizens in SC of the revised regulations. The revision to the regulation was made in 2004 as a part of the EAC process to improve air quality. Additional news releases were sent out during the Fall to encourage citizens to use alternatives for disposing of yard	2005	698 TPY	147 TPY	n/a	Comments #6, and 7.  See the December 2005 Progress Report Document for detailed information.
b. SC NOx Control Reg - new sources	Reduce new sources of Oxides of Nitrogen, a precursor to Ozone pollution	on-going	2005	n/a	2913 TPY	n/a	Comments #6, and 7  See the December 2005 Progress Report Document for detailed information.

<b>5. Assist local areas in determining emission reductions</b>	The Department supports local solutions to local problems.	This activity is on-going	on-going	directionally sound	directionally sound	n/a	See comments 1-8
<b>6. Clean Air Initiatives for Gov Entities</b>	Provide forum for Government Entities to meet and seek reductions in air pollution.	The utilization of the TABFTE grew in 2005, with the Bureau of Water, Land & Waste Management and the SC State Energy Office using this program. The SCDHEC/BAQ also partnered with the SCDOT and the Energy Office to promote ridership on the SmartRide Alternative Transportation project during Ground-level Ozone Season.	April 2005	directionally sound	directionally sound	n/a	Comment #7, CAIGE website <a href="http://www.scdhec.gov/eqc/baq/html/eap_caige.html">www.scdhec.gov/eqc/baq/html/eap_caige.html</a>
<b>7. Smart Highways</b>	Provide improvement in air quality by means of transportation planning	on-going	2005	6,922 TPY	11,025 TPY	n/a	Reductions reflect difference between 2007 and 2002 for deferred nonattainment areas. Comment #6
<b>8. Other Point Source Reductions</b>							
a. NOx reduction-large facilities	Reduce Oxides of Nitrogen	1. Transco Pipeline 2. International Paper 3. Duke Power 4. SCE&G Wateree	April 2005	n/a	1. 2,561 tons 2. 1,000 tons allowable NOx limit 3. 850 tons 4. 40% reduction	n/a	Comments #6, and 7
<b>9. Palmetto State Clean Fuels Coalition Initiatives</b>	****e-mailed Wendy Bell for additional info - 11/23						
a. Biofuels Showcase	The Palmetto State Clean Fuels Coalition hosted a Biofuels Showcase on Friday, November 18, 2005. This event showcased ethanol and biodiesel. Invited speakers were from the National Ethanol Vehicle Coalition, National Biodiesel Board, and Georgia Power. The event also featured a Ride and Drive Event where participants had a chance to drive the alternative fuel vehicles (AFV's) on display.	Biofuels Showcase was held on November 18, 2005.	Nov. 18, 2005	directionally sound	directionally sound	n/a	<a href="http://www.palmettocleanfuels.org/">www.palmettocleanfuels.org/</a>
b. Billion Gallon Celebration	Over the last decade, Clean Cities Coalitions have reported activities that have displaced more than a billion gallons of petroleum in transportation. By implementing projects that make use of alternative fuels, hybrid vehicles, truck idle reduction, fuel blends, and fuel economy improvements, Coalitions have helped build local and regional markets for non-petroleum solutions to our energy challenges.	On October 14, 2005, the Palmetto State Clean Fuels Coalition hosted a variety of celebratory events in Rock Hill, Aiken, Columbia and Greenville.	October 14, 2005	directionally sound	directionally sound	n/a	<a href="http://www.palmettocleanfuels.org/">www.palmettocleanfuels.org/</a>

c. Ethanol Refueling Infrastructure	There are currently 20 publicly accessible E85 refueling infrastructure stations in the Columbia, Greenville, and Aiken areas	<ul style="list-style-type: none"> <li>Currently 23 public E85 refueling sites in South Carolina with 4 additional stations planned within the next 6 months.</li> <li>In addition to the E-85 refueling site located at SCDHEC in Columbia, there are 5 other refueling sites that are not open to the public. These sites include 2 in Aiken County at the Savannah River Site, 1 in Moncks Corner (Berkeley County) at Santee Cooper and 2 in Myrtle Beach. In 2006, USC and City of Rock Hill each have plans to install an E85 refueling site; bringing the total number of non-public refueling sites to 8 during 2006.</li> <li>In addition to E85, There are currently 3 biodiesel public sites in South Carolina. B2 at Spinx and 2 United Energy Sites.</li> </ul>	on-going	directionally sound	directionally sound	n/a	See comments 1-8 <a href="http://www.palmettocleanfuels.org/">www.palmettocleanfuels.org/</a>
Southeastern Alternative Fuels Task Force- Workshop	SCDHEC/BAQ and Wendy Bell/Chantal Fryer participated in and helped to support the planning and implementation of this workshop held in Tennessee, June 6-7, 2005.	Website for the SEATF is: <a href="http://www.sealtfuels.org/">http://www.sealtfuels.org/</a> . Evaluation results for this workshop is available.	June 6-7, 2005	directionally sound	directionally sound	n/a	
<b>10. Tree City USA</b>	Tree City USA encourages municipalities and areas to have strong urban forestry programs. BAQ sent an email to all 45 EAC areas in SC asking the counties to encourage municipalities within their county to help participate in this program that can benefit air quality.	Currently there are 37 designated areas in SC	on-going	directionally sound	directionally sound	n/a	<a href="http://www.arborday.org/programs/treecity/map.cfm">www.arborday.org/programs/treecity/map.cfm</a>
<b>11. Energy Efficiency</b>							
a. Energy Star	SCDHEC BAQ experienced an estimated 28% energy savings in 2005 using the computer monitor power management software.	BAQ Information Technology staff have completed the necessary installation on the respective servers, and the Bureau of Water and Bureau of Land & Waste Management will be participating. This will increase the number of monitors from 150 to over 500.	January 2005 - September 2005 on-going	directionally sound	directionally sound	SCDHEC received \$15,000 in additional Section 105 grant monies to promote the ENERGY STAR Energy Benchmarking program.	During the reporting period, SCDHEC/BAQ staff met with other state agencies to provide information about Energy Star. These agencies include the SC Energy Office, SC Department of Transportation, and the SC Department of Education. Staff also provided flyers and PowerPoint presentations to EAC counties to demonstrate the benefits of Energy Star to local governments. Future plans include installing Energy Star in other areas of SCDHEC and encourage other state agencies to install Energy Star. Outreach materials and presentations will continue to be made available.

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<p>In accordance with the Protocol for Early Action Compacts, after all Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documentd as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - <a href="http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html">http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html</a> - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - <a href="http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp">http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</a></p> <p>4. June 2004 - Progress Report - See - <a href="http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp">http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</a></p> <p>5. December 2004 - Progress Report - See - <a href="http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp">http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</a></p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - <a href="http://www.scdhec.gov/eqc/baq/html/eap_sip.html">http://www.scdhec.gov/eqc/baq/html/eap_sip.html</a></p> <p>8. June 2005 - Progress Report - See - <a href="http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp">http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</a></p>	
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